

30 October 1964

Attention: Contracting Officer

Subject: [REDACTED]

Gentlemen:

The above subject contract dated 19 May 1964 calls for one each [REDACTED] Variscan Mark II to be delivered on or before September 15, 1964. Our Production Department has informed me that a delay in shipment has occurred and the unit is now scheduled for shipment from [REDACTED] on December 6, 1964.

The cause for this delay has been the changes and modifications we have made to the Variscan to improve and increase its quality. The areas of vibration isolation and improvements in the illumination and projection lens systems required the majority of the new materials and machining time.

Our production schedule is now quite firm, and we do not anticipate any further delays.

Very truly yours,

STATOTHR

Business Manager

BCJ:plf

STATOTHR

~~CONFIDENTIAL~~

14 September 1964

MEMORANDUM FOR: Assistant for Plans and Development

THROUGH : Executive Secretary, Technical Development Committee

SUBJECT : Change of Scope of "Variscan Rear Projection Film Viewer" contract [REDACTED] 25X1A

25X1A

25X1A 1. The NPIC has contracted with [REDACTED] for a Variscan Rear Projection Film Viewer for evaluation purposes. Since the contract was negotiated, [REDACTED] has offered a variable speed film traversing (across the width of the film) option at an increased cost of [REDACTED] if installed prior to delivery.

25X1A 2. The fixed traversing speed of the Richardson Viewers has always been considered an equipment limitation by the operating personnel. On the Variscan the problem will be even more pronounced with a fixed speed than the Richardson Viewers since the Variscan has a greater magnification range.

3. The Photo Analysis Group was consulted as to the desirability of having variable traversing speed and officially requested that it be incorporated in the equipment.

25X1A

25X1A 4. It is, therefore, recommended that Contract [REDACTED] with [REDACTED] for a Variscan Mark II be modified to include a variable speed on both axes of film movement at an increased cost of [REDACTED] bringing the total contract price up to [REDACTED]

25X1A

25X1A

25X1A

[REDACTED]
Development Branch, P&DS

~~CONFIDENTIAL~~

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25X1A

PAG/M-846-64
3 September 1964

MEMORANDUM FOR: Chief, Plans and Development Staff, NPIC

ATTENTION: [REDACTED] 25X1A

SUBJECT: Variscan Film Viewer

25X1A

25X1A

Pursuant to discussions held between [REDACTED] of Plans and Development Staff and [REDACTED] of the Photographic Analysis Group (PAG concerning subject Film Viewer, PAG requests that a variable speed drive across width of film as well as length capability be added to the evaluation model to be procured by NPIC.

25X1A

[REDACTED]
Colonel, USA
Assistant for Photographic Analysis Group, NPIC

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Standard Form 63
November 1961
GSA Gen. Reg. No. 27

25X1A

MEMORANDUM OF CALL

Date 21 Aug Time 1615

TO: [REDACTED]

YOU W [REDACTED]

TELEPH [REDACTED]

☒ PLEASE CALL ☐ WAITING TO SEE YOU
☐ WILL CALL AGAIN ☐ WISHES AN APPOINTMENT
☐ RETURNING YOUR CALL
☐ IS REFERRED TO YOU BY:

LEFT THIS MESSAGE: discuss
addition [REDACTED] 25X1A
Very soon yes

[REDACTED]

63-105

TRANSMITTAL SLIP

DATE 19 Aug

TO: [REDACTED]

ROOM NO. 4N4

REMARKS: 25X1A

25X1A

FROM: [REDACTED]

ROOM NO. 6N22

EXTENSION

FORM NO. 241
1 FEB 55

REPLACES FORM 36-8
WHICH MAY BE USED.

GPO: 1957-O-439445 (47)

25X1A

25X1A

8/18 -

MEMORANDUM FOR: [REDACTED]

This is the second speed letter
re: same subject.
Please advise so you can
proceed accordingly - CWO! CWO!

25X1A [REDACTED]

9/2/64
(DATE)

FORM NO. 101
1 AUG 54

REPLACES FORM 10-101
WHICH MAY BE USED.

(47)

25 June 1964

IN 584

Attention: Contracting Office

STATOTHR

Reference: [REDACTED]

Gentlemen:

Attached are the signed copies of the above referenced contract.

It has been brought to our attention by your technical representative that the Variscan Mark II requested should contain variable speed on both axes. Our standard production model which we quoted to you has variable speed on only one axis. The addition of variable speed on the second or lateral axis is a standard addition and is priced at [REDACTED] when installed at the time of manufacture. We are proceeding on this order and are requesting a modification in the amount of [REDACTED] to provide the variable speed.

STATOTHR

STATOTHR

Very truly yours,

STATOTHR

BCJ:lhf

Enclosures

bcc: [REDACTED]


STATOTHR

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Picture 1 STATOTHR

The new  Variscan - a versatile instrument for photointerpretation.

Picture 2

The Variscan control panel has a joystick for 2-axis image movement; image rotation control; pushbutton magnification changing from 3X to 30X; continuously variable intensity; and a clip-board writing area for notes and records.

Picture 3

At the rear of the instrument, a variable-width film transport holds and drives films from 35mm to 9 1/2 inches in width. The lateral motion control carries the entire transport in the "across-the-film" direction.

Picture 4

This multiple-exposure photograph shows the film transport and lateral stage rotating about the optical axis (vertical) to turn the image on the viewing screen.

Picture 5

A 4-lens assembly switches in projection lenses for 3X, 6X, 12X and 30X viewing. The 12X lens is in position over the vacuum platen. Above it, in order, are 30X, 6X and 3X.

Picture 6

In this time exposure, the 12X lens is swinging up and back as the 6X lens comes down into viewing position.

Picture 7

In the base of the Variscan are the air-cooled lamp housing and condenser elements-shown here set for 6X. A front-surface mirror (at right) directs light upward through the platen.

Picture 8

When magnification is changed, the appropriate condenser elements slide into position in the light path. Here three intermediate lenses concentrate the light for 30X viewing.

Picture 9

At 3X, the operator can view and scan an entire 9 1/2" x 9 1/2" frame of aerial film.

Picture 10

The operator switches to 6X and centers an area of interest.

Picture 11

The same view at 12X - intensity, position and rotation controls help the operator establish optimum viewing conditions.

Picture 12

At 30X the full detail in the photograph is visible, with a resolution of 180 lines per millimeter on the film.

6 July 1964

STATOTHR



Enclosed are the installation sheets you requested
we provide for the Variscan.

Should there be any further information you require,
please do not hesitate to ask.

Very truly yours,

STATOTHR



WHM:plf

INSTALLATION ENGINEERING

I. INSTRUMENT

STATOTHR

A. Name Variscan Mark II
 B. Manufacturer [REDACTED]
 C. Contract Number [REDACTED]

II. PHYSICAL FEATURES

A. Number of Component Parts One
 B. Dimensions of the Largest Component Part:
 Length 7 Ft. 3 In. Height 6 Ft. 4 1/2 In.
 Width Ft. 34 In.
 C. Weight of Largest Component Part
 D. Total Weight of Instrument 1700 lbs.
 E. Overall Dimensions Assembled:
 Length 7 Ft. 3 In. Height 6 Ft. 4 1/2 In.
 Width Ft. 34 1/2 In. (w/o plastic covers)
 F. Type of Base of Mount:
 Flat Three Point Suspension X Four Point Suspension
 G. Does Instrument have built-in mobility? Yes
 H. Is the instrument particularly sensitive to vibration? No
 I. Are any special or unusual tools or fixtures necessary or advisable
 for the installation or maintenance of this equipment? No

III. UTILITIES

A. Electrical:	AC	DC
Voltage	<u>117</u> Volts + <u>10</u> Volts	<u>/</u>
Current	<u>30</u> Amps Max	<u>/</u>
Frequency	<u>60</u> cps	
Nr. of phases	<u>1</u>	
Nr. of wires	<u>3</u>	
Power required by equipment	<u>3500</u> Watts Max	<u>/</u> Watts
Type of outlet required:	<u>Two Prong</u> , <u>Three Prong</u> <u>X</u>	
Twist Lock	<u> </u> , Permanent Installation <u> </u>	

Should the equipment be shielded, ¹either from external electro-magnetic signals, ²or to prevent interference with other equipment?

1. No. 2. Same as any equipment with motors, relays, and switches to prevent interference with other equipment; no unusual requirements.

- B. Air Conditioning:
 Room temperature 58° - 95° Humidity 60%
 Output of Instrument 11028 BTU/Hr.
 If air must be filtered, what is maximum permissible particle size
 in microns? N.A. What particle count? N.A.
 particles per cubic foot.
 Direct connection to instrument? Yes _____ No X
 If yes to above, what is the desired air temperature to instrument?

 Should discharged air be ducted separately? Yes
 Is discharged air noxious? NO toxic? NO
 Connector size to instrument N.A.
- C. Plumbing:
 Is water required for the instrument? Yes _____ No X
 Water pressure N.A. Flow in GPM _____
 Type of water desired:
 Tap N.A. ^{OF} + _____ ^{OF}
 Tempered N.A. ^{OF} + _____ ^{OF}
 Deionized N.A. ^{OF} + _____ ^{OF}
 Filtered N.A. ^{OF} + _____ ^{OF} Particle size and count per
 unit volume.
 Type of pipe required:
 Galvanized N.A. Copper _____
 Stainless Steel N.A. Plastic _____
 Is floor drain required? Yes _____ No X
 Diameter of drain N.A. Galvanized drain N.A.
 Plastic drain N.A. Glass drain N.A.
- D. Compressed Air:
 Diameter of connectors N.A. Type of connectors N.A.
 PSI N.A. Water free? N.A.
 CFM N.A. Oil free? N.A.
- E. Vacuum:
 Is vacuum required? Yes _____ No X
 Vacuum required N.A. PSIA or _____ (inches) (milli-
 meters) of Hg
 Displacement N.A. CFM N.A.

IV. REMARKS

In the event additional space is required for environmental conditions
 or utilities not mentioned above, use the reverse side of this form.

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Appr

e 2001/05/11 : CIA-RDP78B04747A001200060001-2

CONFIDENTIAL

Post Office Box 6783
Fort Davis Station
Washington, D.C.

REGISTERED

"Special Resolution Targets"
Completed Project

25X1A

Amendment NO. 1 (Revised)

Gentlemen:

Reference is made to your letter of July 15, 1966 regarding the incorporation of final overhead and G & A rates in Subject Contract.

The Contracting Officer concurs with your recommendation that this contract be settled by your retention of the property purchased under the terms of this Contract. In response to this you will accept overhead and G & A rates lower than those proposed to DCAA.

Accordingly and subject to your acceptance in the space provided below, the captioned Contract is hereby amended pursuant to Article Six (6), Paragraph (d) to incorporate therein final overhead rates for the periods specified below:

For the Period 1 April 1964 through 31 March 1965

Engineering Overhead

90.0% of direct labor dollars
exclusive of overtime premium

G & A expense

5.9% of cost of sales

For the Period 1 April 1965 through 30 September 1965

Engineering Overhead

93.0%

G & A expense

5.7%

NOTICE

This material contains information affecting the national defense of the United States within the meaning of the espionage laws, Title 18, USC, Secs. 793 and 794, the transmission or revelation of its contents in any manner to an unauthorized person is prohibited by law.

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GROUP 1
Excluded from automatic
downgrading and
declassification

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Approval of the foregoing rates is subject to the provisions of this Contract and any Task Orders issued hereunder which limit, to the amount of a stated estimated cost, the obligation of the Government to reimburse the Contractor for costs incurred.

Please indicate your acceptance of the foregoing by signing this letter and the enclosed two copies thereof. Retain one copy for your records and return the signed original and remaining one copy to the undersigned at the earliest practicable date.

Very truly yours,

25X1A


Contracting Officer

BY _____
Duly Authorized Representative

25X1A


BY _____

TITLE _____

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Next 1 Page(s) In Document Exempt

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THIS NUMBER MUST APPEAR ON ALL PACKAGES AND PAPERS		PAGE NO.	NO. OF PAGES
CONTRACT/ORDER NO.		BUREAU VOUCHER NO.	
25X1A		25X1A	
PREPARED BY	REFERENCE	DATE OF CONTRACT/ORDER	BUREAU SCHEDULE NO.
13 May 1944			
This contractual document is entered into as of the date above, by and between the United States of America, hereinafter called the Government represented by the Contracting Officer executing same, and the below named Contractor, hereinafter called the Contractor. The parties hereto agree that the Contractor shall furnish the facilities and deliver the supplies and services set forth herein for the consideration stated.			
IMPORTANT IF "X" APPEARS	CONTRACT- The rights and obligations of the parties hereto shall be subject to and governed by the Schedule and the terms and conditions on the attached General Provisions Form No. (1444 edition). To the extent of any inconsistency within the Schedule and the General Provisions, the Schedule shall control.		
	TASK ORDER- The rights and obligations of the parties hereto shall be subject to and governed by this Task Order consisting of the Schedule and all terms and provisions of the Basic Contract indicated above, which is incorporated herein by reference and made a part hereof. To the extent of any inconsistency between Basic Contract and this Task Order, this Task Order shall control.		
TO: (CONTRACTOR AND ADDRESS)		MAIL INVOICE TO:	
25X1A		25X1A	
SHIP TO: (CONSIGNEE AND ADDRESS)			
Property and Supply Officer General Services Administration Receiving Box #2 (84-3776) Framingham, Virginia			
IMPORTANT: (PLEASE COMPLY WITH IDENTIFICATION & MARKING INSTRUCTIONS PARA. 12, REVERSE).			
DATE(S) OF DELIVERY		DISCOUNT TERMS	
On or before 13 September 1944		Net - 10 days	
		DELIVERY F.O.B.	
		DESTINATION	
		OTHER (AS SPECIFIED IN SCHEDULE)	
SCHEDULE 1 - General Schedule Provisions			
ITEM NO.	SUPPLIES OR SERVICES	UNIT	QUANTITY (NO. OF UNITS)
1	Varyscan Mark II Rear Projection Film Viewer with variable speed film movement on both axes, complete with one (1) instruction-maintenance manual	ea	1
			25X1A
ACCOUNTING CLASSIFICATION		THE U BY	
25X1A		CONTRACTING OFFICER	
		PROCUREMENT AUTHORITY / CERTIFICATE OF AWARD	
		THIS CONTRACT ADVERTISED OR NEGOTIATED UNDER AUTHORITY AS SHOWN BELOW.	
		THE ABOVE CONTRACTING OFFICER CERTIFIES THAT THE FOLLOWING IS TRUE AND CORRECT: THAT ANY REQUIRED DETERMINATION AND FINDINGS IN CASE OF REJECTION OF LOW BIDS ATTACHED: THAT THE SUPPLIES OR SERVICES COVERED BY THE AGREEMENT ARE NECESSARY FOR THE PUBLIC SERVICE AND THAT THE PRICES CHARGED ARE JUST AND REASONABLE.	
TO BE INSPECTED BY		PROCURED AS S. C.	
T AND I		NNT ZERO ONE	
Other As Specified In Schedule			
CHARGE ALLOTMENT NO.		COST CENTER SYMBOL	
4398-0783-0002		4153-1030-6000	
REQUISITION NO.		BUDGET REQ. OFFICE COPY TO	
3500-2767-64		SPIC	
NAME - ROOM - BUILDING		PURSUANT TO SEC. 3(A) PL 81-110, 1949 AND APPLICABLE AGENCY REGULATION	
		PUBLIC EXIGENCY	
		IMPRACTICAL TO SECURE COMPETITION	
		OTHER (SPECIFY)	
STOCK		SHIPMENT	
ALLOCATION NO.		STATION NO.	
		VIA	
		SEA AIR POUCH TRUCK	
MEMORANDUM			
CONFIDENTIAL			

☐ SECRET ☐ CONFIDENTIAL ☐ UNCLASSIFIED

CONTRACT INSPECTION REPORT

CONTRACT NO.

25X1A

TASK NO.

TO:

ENGINEERING SECTION/CB/PD/OL

DATE

11 April 1965

INSPECTION REPORT NO. (If final, so state)

ESTIMATED COMPLETION DATE

March 1965 COMPLETED

NAME OF CONTRACTOR

25X1A

TYPE OF COMMODITY

THE CONTRACTOR IS ON SCHEDULE

☐ YES

☐ NO

THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS ☐ YES ☐ NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.

PER CENT OF WORK COMPLETED -

100%

PER CENT OF FUNDS EXPENDED -

100%

HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? ☐ YES ☐ NO (If yes, give details on reverse side.)

HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? ☐ YES ☒ NO (If yes, indicate items, quantity, and cost on reverse side.)

INCENTIVES

IS THIS AN INCENTIVE CONTRACT IF YES, CHECK TYPE

☐ YES

☒ NO

☐ COST

☐ PERFORMANCE

☐ DELIVERY

NOTE: USE REVERSE SIDE FOR COMMENTS. FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.

OVERALL PERFORMANCE OF CONTRACTOR

1. ☐ OUTSTANDING

3. ☐ ABOVE AVERAGE

5. ☐ BELOW AVERAGE 7. ☐ UNSATISFACTORY

2. ☐ EXCELLENT

4. ☒ AVERAGE

6. ☐ BARELY ADEQUATE

IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.

RECOMMENDED ACTION

☐ CONTINUE AS PROGRAMMED

☐ WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE

☒ TERMINATE

☐ OTHER (Specify)

IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:

ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES		<input checked="" type="checkbox"/>	MANUALS	<input checked="" type="checkbox"/>	
DRAWINGS AND SPECIFICATIONS	<input checked="" type="checkbox"/>		FINAL REPORT		<input checked="" type="checkbox"/>
PRODUCTION AND/OR OTHER END ITEMS	<input checked="" type="checkbox"/>		SPECIAL TOOLING		<input checked="" type="checkbox"/>
			OTHER GOVERNMENT PROPERTY		<input checked="" type="checkbox"/>

DATE OF LAST CONTACT WITH CONTRACTOR

12 April 1965 Telephone

SIGNATURE OF INSPECTOR

25X1A

DIVISION 25X1A

INSPECTOR'S EXTENSION

SIGNATURE

Approved For Release 2001/05/11 : CIA-RDP78B04747A

☐ SECRET☐ CONFIDENTIAL☐ UNCLASSIFIED

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2
NARRATIVE REPORT

☐ INTERIM☒ FINAL

The equipment called for under this contract has been received and accepted. It is now undergoing evaluation to determine the requirements for additional purchases.

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☐ UNCLASSIFIED☐ CONFIDENTIAL☐ SECRET

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Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

CONTRACT INSPECTION REPORT		25X1A		NO.	
TO:		DATE			
ENGINEERING SECTION/CB/PD/OL		19 Feb 65			
		INSPECTION REPORT NO. (If final, so state)			
		7			
		ESTIMATED COMPLETION DATE			
		Mar 65			
NAME OF CONTRACTOR		25X1A			
TYPE OF COMMODITY OR SERVICE		Variscan Film Viewer			
THE CONTRACTOR IS ON SCHEDULE		THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.			
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
PER CENT OF WORK COMPLETED - 85%					
PER CENT OF FUNDS EXPENDED - --					
HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If yes, give details on reverse side.)					
HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If yes, indicate items, quantity, and cost on reverse side.)					
INCENTIVES					
IS THIS AN INCENTIVE CONTRACT		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		NOTE:	
IF YES, CHECK TYPE				USE REVERSE SIDE FOR COMMENTS.	
<input type="checkbox"/> COST <input type="checkbox"/> PERFORMANCE <input type="checkbox"/> DELIVERY				FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.	
OVERALL PERFORMANCE OF CONTRACTOR					
1. <input type="checkbox"/> OUTSTANDING		3. <input type="checkbox"/> ABOVE AVERAGE		5. <input type="checkbox"/> BELOW AVERAGE	
2. <input type="checkbox"/> EXCELLENT		4. <input checked="" type="checkbox"/> AVERAGE		6. <input type="checkbox"/> BARELY ADEQUATE	
				7. <input type="checkbox"/> UNSATISFACTORY	
IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.					
RECOMMENDED ACTION					
<input checked="" type="checkbox"/> CONTINUE AS PROGRAMMED		<input type="checkbox"/> WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE			
<input type="checkbox"/> TERMINATE		<input type="checkbox"/> OTHER (Specify)			
IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:					
ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		
DATE OF LAST CONTACT WITH CONTRACTOR					
19 Feb 65		25X1A			
SIGNATURE			DIVISION	25X1A	
			P&DS		
INSPECTOR'S EXTENSION	3308		SIGNATURE		

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NARRATIVE REPORT

☒ INTERIM☐ FINAL

This contract is behind schedule, therefore, it is requested that the contracting officer take the appropriate action to establish a new contract completion date. The contractor has verbally informed me that he is being held up by vendor problems but hopes to be able to ship the instrument by 15 Mar.

The overall delay is due to redesign of the film reel holding mechanism, platen mechanism, focus mechanism, and adding variable film traversing speed controls. These delays are considered justified in view of the fact that we will receive an improved version of the Variscan.

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☐ UNCLASSIFIED☒ CONFIDENTIAL☐ SECRET

SECRET
(When Filled In)

4064

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CONTRACT INSPECTION REPORT

TASK NO.

TO:

ENGINEERING SECTION/CB/PD/OL

DATE

1 December 1964

INSPECTION REPORT NO. (If final, so state)

6

ESTIMATED COMPLETION DATE

30 December 1964

NAME OF CONTRACTOR

25X1A

TYPE OF COMMODITY OR SERVICE

Varyscan Film Viewer

THE CONTRACTOR IS ON SCHEDULE

☐ YES

☒ NO

PER CENT OF WORK COMPLETED

80%

THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS ☒ YES ☐ NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.

HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? ☐ YES ☒ NO (If yes, give details on reverse side.)

HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? ☐ YES ☒ NO (If yes, indicate items, quantity, and cost on reverse side.)

OVERALL PERFORMANCE OF CONTRACTOR

1. ☐ OUTSTANDING

3. ☐ ABOVE AVERAGE

5. ☐ BELOW AVERAGE

7. ☐ UNSATISFACTORY

2. ☐ EXCELLENT

4. ☒ AVERAGE

6. ☐ BARELY ADEQUATE

IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.

RECOMMENDED ACTION

☒ CONTINUE AS PROGRAMMED

☐ WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE

☐ TERMINATE

☐ OTHER (Specify)

IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT ATTACH COMMENTS IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:

ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		

DATE OF LAST CONTACT WITH CONTRACTOR

18 November 1964

SIGNATURE OF INSPECTOR

DIVISION

25X1A

INSPECTOR'S EXTENSION

3308

25X1A

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FORM 1897
6-64 USE PREVIOUS EDITION

(When Filled In)

Excluded from automatic
downgrading and
declassification

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SECRET
(When Filled In)

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CONTRACT INSPECTION REPORT

25X1A

TASK NO.

TO:

ENGINEERING SECTION/CB/PD/OL

DATE

1 Nov 64

INSPECTION REPORT NO. (If final, so state)

5

ESTIMATED COMPLETION DATE

Dec 30, 64

NAME OF CONTRACTOR

25X1A

TYPE OF COMMODITY OR SERVICE

Varyscan Film Viewer

THE CONTRACTOR IS ON SCHEDULE

☐ YES

☒ NO

THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS ☒ YES ☐ NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.

PER CENT OF WORK COMPLETED

80%

HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? ☐ YES ☒ NO (If yes, give details on reverse side.)

HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? ☐ YES ☒ NO (If yes, indicate items, quantity, and cost on reverse side.)

OVERALL PERFORMANCE OF CONTRACTOR

1. ☐ OUTSTANDING

3. ☐ ABOVE AVERAGE

5. ☐ BELOW AVERAGE 7. ☐ UNSATISFACTORY

2. ☐ EXCELLENT

4. ☒ AVERAGE

6. ☐ BARELY ADEQUATE

IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.

RECOMMENDED ACTION

☒ CONTINUE AS PROGRAMMED

☐ WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE

☐ TERMINATE

☐ OTHER (Specify)

IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT ATTACH COMMENTS IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:

ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		

DATE OF LAST CONTACT WITH CONTRACTOR

20 Oct 64

DIVISION

25X1A

3308

25X1A

FORM 6-64 1897

USE PREVIOUS EDITION

(When Filled In)

Excluded from automatic downgrading and declassification

SECRET

(When Filled In)

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

TASK NO.

CONTRACT INSPECTION REPORT

TO:

ENGINEERING SECTION/CB/PD/OL

DATE

1 Oct 64

INSPECTION REPORT NO. (If final, so state)
3ESTIMATED COMPLETION DATE
Nov 1964

NAME OF CONTRACTOR

25X1A

TYPE OF COMMODITY OR SERVICE

Varyscan Film Viewer

THE CONTRACTOR IS ON SCHEDULE

☐ YES☒ NOTHE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS ☒ YES ☐ NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.

PER CENT OF WORK COMPLETED

70%

HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? ☐ YES ☒ NO (If yes, give details on reverse side.)HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? ☐ YES ☒ NO (If yes, indicate items, quantity, and cost on reverse side.)

OVERALL PERFORMANCE OF CONTRACTOR

1. ☐ OUTSTANDING3. ☐ ABOVE AVERAGE5. ☐ BELOW AVERAGE 7. ☐ UNSATISFACTORY2. ☐ EXCELLENT4. ☒ AVERAGE6. ☐ BARELY ADEQUATE

IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.

RECOMMENDED ACTION

☒ CONTINUE AS PROGRAMMED☐ WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE☐ TERMINATE☐ OTHER (Specify)

IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT ATTACH COMMENTS IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:

ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		

DATE OF LAST CONTACT WITH CONTRACTOR

18 Sept 64

DIVISION

25X1A

SI

SIGN

INSPECTOR'S SIGNATURE

3308

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

FORM 6-64

1897

USE PREVIOUS EDITION

(When Filled In)

SECRET

Excluded from automatic downgrading and declassification

Variable Width Film Readers and Variscan Viewers was reviewed at [REDACTED] 25X1A

25X1A

25X1A

[REDACTED] was given a complete review of the work [REDACTED] is doing in the stellar comparator field.

The first six production Varyscans had just been delivered prior to my visit, and none of the machines under construction were in operating condition, so I was unable to evaluate a working model. The major changes in the production model over the prototype were a completely redesigned cabinet of far greater rigidity, and substitution of a mechanical platen clamp instead of the vacuum platen. This platen differs from the Richardson platens in that both glasses move instead of one and the total opening is 5/8", which allows complete freedom of the film during scanning and slewing. The platens are so adjusted that when closed, they cause a minimum of focus shift. In general, I was impressed with the production engineering results which make the Varyscan production model more functional than the prototype. Delivery of the NPIC Viewer is scheduled for the latter part of October.

As far the Film Reader, there were a number of minor deficiencies which require correction and two major problems areas.

There was considerable vibration of the image as projected on the screen, and the freon was not completely dried from the film when rewound at at high speed. In addition another major problem exists in providing an acceptable toxic vent. I have since been informed that they feel they have solved the vibration problem by reinforcing the cabinet. At present they are still working on solving the film drying and venting problems. It is possible that both of these problems could be solved simultaneously if we were willing to accept a higher freon loss.

No film resolution readings or light intensity values were taken due to the vibration and uncomplete optical alignment. The 48x lens presently in the machine was considered unacceptable by [REDACTED] and an order has been placed for a new lens. 25X1A

In general, the reader has the highest quality projection image viewed this far by the undersigned. Resolution appeared good as far as could be determined and there was an absolute minimum of color fringing apparent. The liquid gate appeared to function well and there was not apparent flutter of the image. The transport worked well, however, several of the minor corrections requested were in the transport controls. The estimated completion date is presently the end of October unless additional problems are encountered in the venting aspect.

25X1A

Financially [REDACTED] has overrun the contract price. They have been requested to prepare a report to the contracting officer on the actual costs involved and the reason for not reporting at the 80% mark. This should be forthcoming shortly.

25X1A

25X1A

In addition [REDACTED] was given a complete briefing on the work [REDACTED] is doing in the stellar comparator and automatic image centering field.

I did not sit in on these discussions so far additional details see

25X1A

(When Filled In)

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

CONTRACT INSPECTION REPORT		25X1A			
TO: ENGINEERING SECTION/CB/PD/OL		DATE 9 Sept. 1964			
		INSPECTION REPORT NO. (If final, so state) 2			
		ESTIMATED COMPLETION DATE Oct. 1964			
NAME OF CONTRACTOR 25X1A					
TYPE OF COMMODITY OR SERVICE Variscan Film Viewer					
THE CONTRACTOR IS ON SCHEDULE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.			
PER CENT OF WORK COMPLETED 60%					
HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If yes, give details on reverse side.)					
HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If yes, indicate items, quantity, and cost on reverse side.)					
OVERALL PERFORMANCE OF CONTRACTOR					
1. <input type="checkbox"/> OUTSTANDING 3. <input checked="" type="checkbox"/> ABOVE AVERAGE 5. <input type="checkbox"/> BELOW AVERAGE 7. <input type="checkbox"/> UNSATISFACTORY					
2. <input type="checkbox"/> EXCELLENT 4. <input type="checkbox"/> AVERAGE 6. <input type="checkbox"/> BARELY ADEQUATE					
IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.					
RECOMMENDED ACTION					
<input checked="" type="checkbox"/> CONTINUE AS PROGRAMMED <input type="checkbox"/> WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE					
<input type="checkbox"/> TERMINATE <input type="checkbox"/> OTHER (Specify)					
IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT ATTACH COMMENTS IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:					
ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		
DATE OF LAST CONTACT WITH CONTRACTOR 9 Sept. 1964 25X1A					
SIGNATURE OF INSPECTOR			DIVISION P&DS 25X1A		
INSPECTOR'S EXTENSION 3308					

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

A recommendation is currently being processed to change the scope of this machine to include a variable speed film drive for film traversing. This will delay delivery until approximately mid-October 1964.

SECRET
(When Filled In)

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2		CONTRACT INSPECTION REPORT	2767	NO.	
TO: ENGINEERING SECTION/CB/PD/OL		DATE 28 July 1964			
		INSPECTION REPORT NO. (If final, so state) /			
		ESTIMATED COMPLETION DATE September 1964			
NAME OF CONTRACTOR 25X1A <div style="background-color: black; width: 200px; height: 20px; margin-top: 5px;"></div>					
TYPE OF COMMODITY OR SERVICE Varyscan Rear Projection Viewer					
THE CONTRACTOR IS ON SCHEDULE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.			
PER CENT OF WORK COMPLETED <u>unknown</u>					
HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If yes, give details on reverse side.)					
HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If yes, indicate items, quantity, and cost on reverse side.)					
OVERALL PERFORMANCE OF CONTRACTOR					
1. <input type="checkbox"/> OUTSTANDING 3. <input type="checkbox"/> ABOVE AVERAGE 5. <input type="checkbox"/> BELOW AVERAGE 7. <input type="checkbox"/> UNSATISFACTORY 2. <input type="checkbox"/> EXCELLENT 4. <input checked="" type="checkbox"/> AVERAGE 6. <input type="checkbox"/> BARELY ADEQUATE					
IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.					
RECOMMENDED ACTION					
<input checked="" type="checkbox"/> CONTINUE AS PROGRAMMED <input type="checkbox"/> WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE <input type="checkbox"/> TERMINATE <input type="checkbox"/> OTHER (Specify)					
IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT ATTACH COMMENTS IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:					
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PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		
DATE OF LAST CONTACT WITH CONTRACTOR June 1964					
SIGNATURE OF INSPECTOR 25X1A <div style="background-color: black; width: 100px; height: 20px; margin-top: 5px;"></div>			DIVISION 25X1A P&DS		
INSPECTOR'S EXTENSION			SIGNATURE OF <div style="background-color: black; width: 150px; height: 40px; margin-top: 5px;"></div>		

S E C R E T
(When Filled In)

TO : Chief, NPIC

DATE: 1 June 1964

FROM : Chief, Engineering Section/CB/PD/OL 25X1A

SUBJECT: Inspection Under Contract No. [REDACTED] Task Order [REDACTED]

Requisition No. 5500-2767-64 Voucher No. [REDACTED] 25X1A

25X1A

Contractor: [REDACTED]

Item: Varyscan Mark II Rear Projection Film Viewer

1. Your Office is responsible for performing inspection duties under the subject Contract. As a part of this responsibility, it is requested that you arrange to monitor the Contractor's performance at his facility and determine whether or not the quality standards of the Contract are being met. It is also requested that you authenticate the need for and proper use of any Government Furnished Property made available to the Contractor in accordance with the Contract.

2. To assist in our evaluation of this Contractor's capability and performance, it is requested that you forward to us a report of each inspection visit to the Contractor's facility. Both the interim reports and the final report should include information relative to the contractual provisions for delivery and expenditure, as well as your judgment of the Contractor's overall performance. The final report should be in narrative form and should include a statement certifying that all deliverable items listed in the contract have been received.

3. Reports that indicate overall performance as unsatisfactory or barely adequate should support such evaluations with detailed explanations of the specific discrepancies and the corrective action which is being taken. Reports should be submitted at intervals of no more than sixty (60) days so that reimbursement may be made on the basis of a current evaluation of performance by the Contractor. Inspection Report Form 1897 may be used for interim reports. A narrative report is requested for the final report.

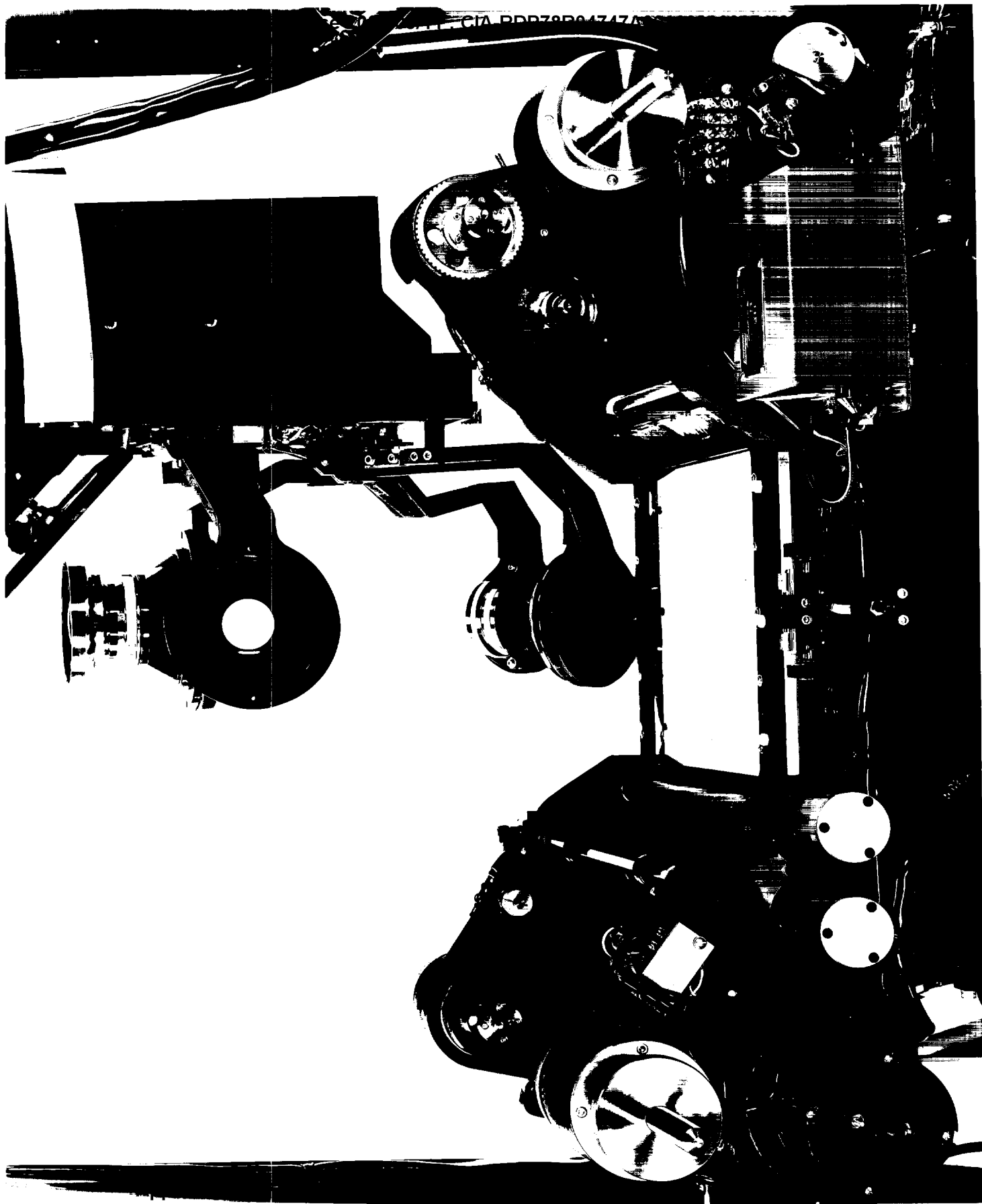
4. Unless a current inspection report is available in our files, it will be necessary to withhold payment on the Contractor's invoices until such time as this deficiency is corrected.

5. You are requested to indicate your acceptance of this inspection responsibility by filling in the space below on one copy of this memorandum and returning it to us in Room 1524 Quarters Eye.

3308
EXTENSIONOL/PD/CB/ES/[REDACTED]:bw/2893
(1524 Quarters Eye)

25X1A

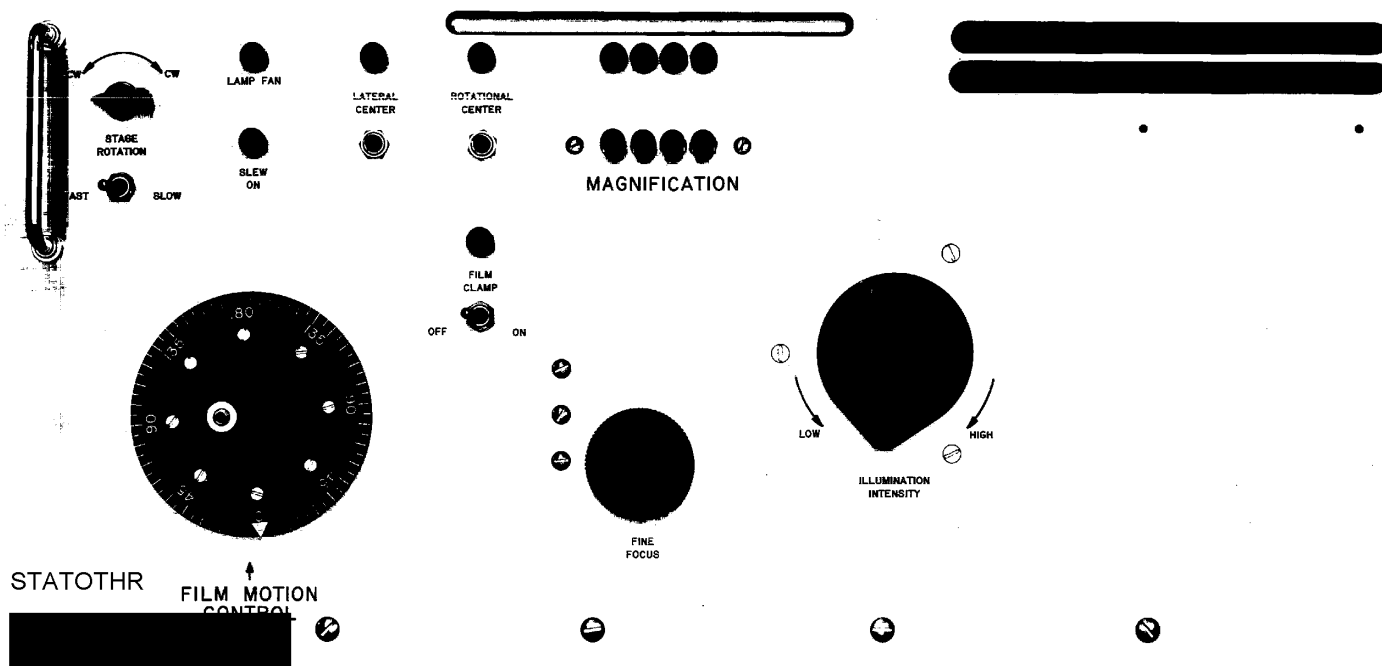
S E C R E T
(When Filled In)



STATOTHR

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

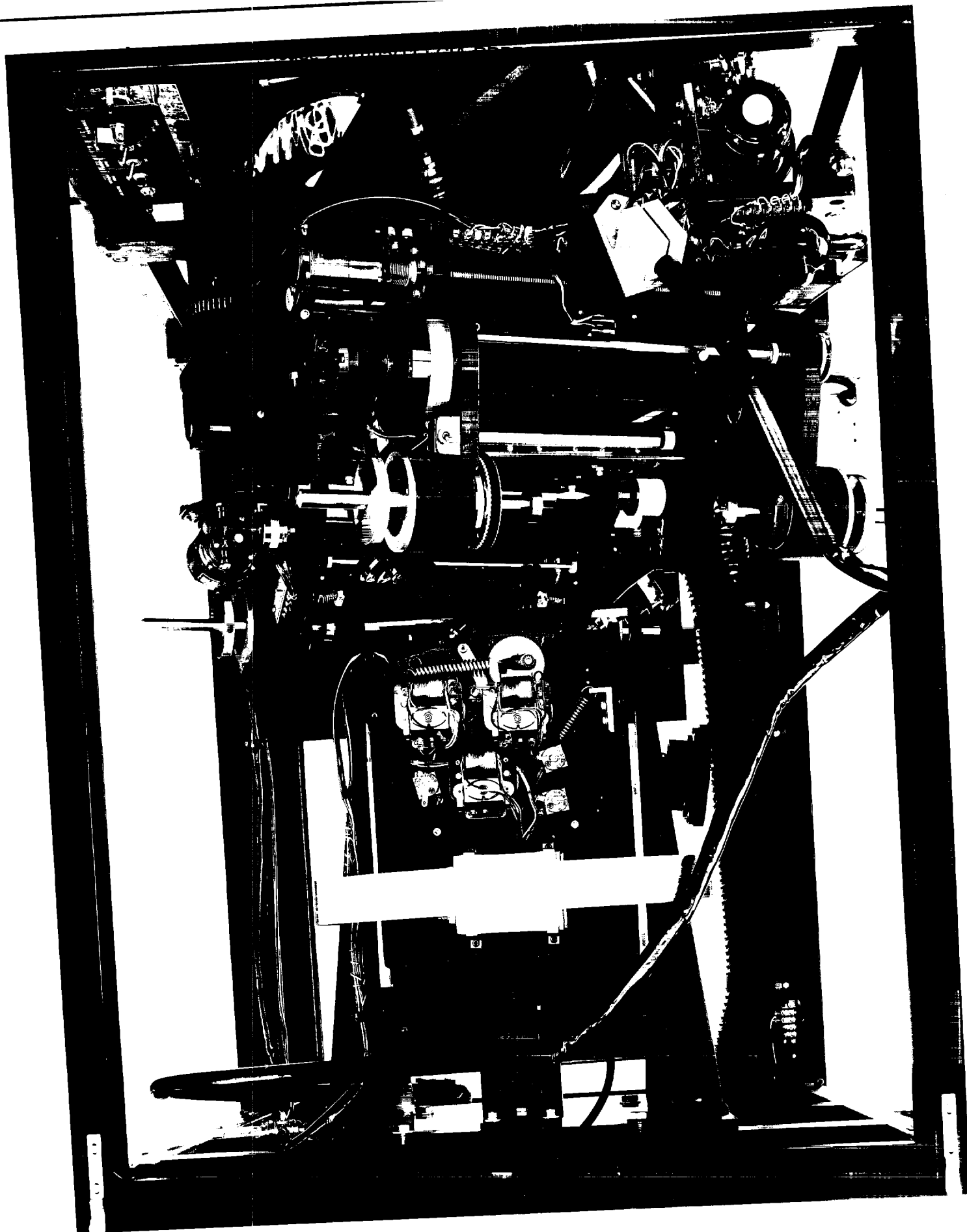
Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2



STATOTHR

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

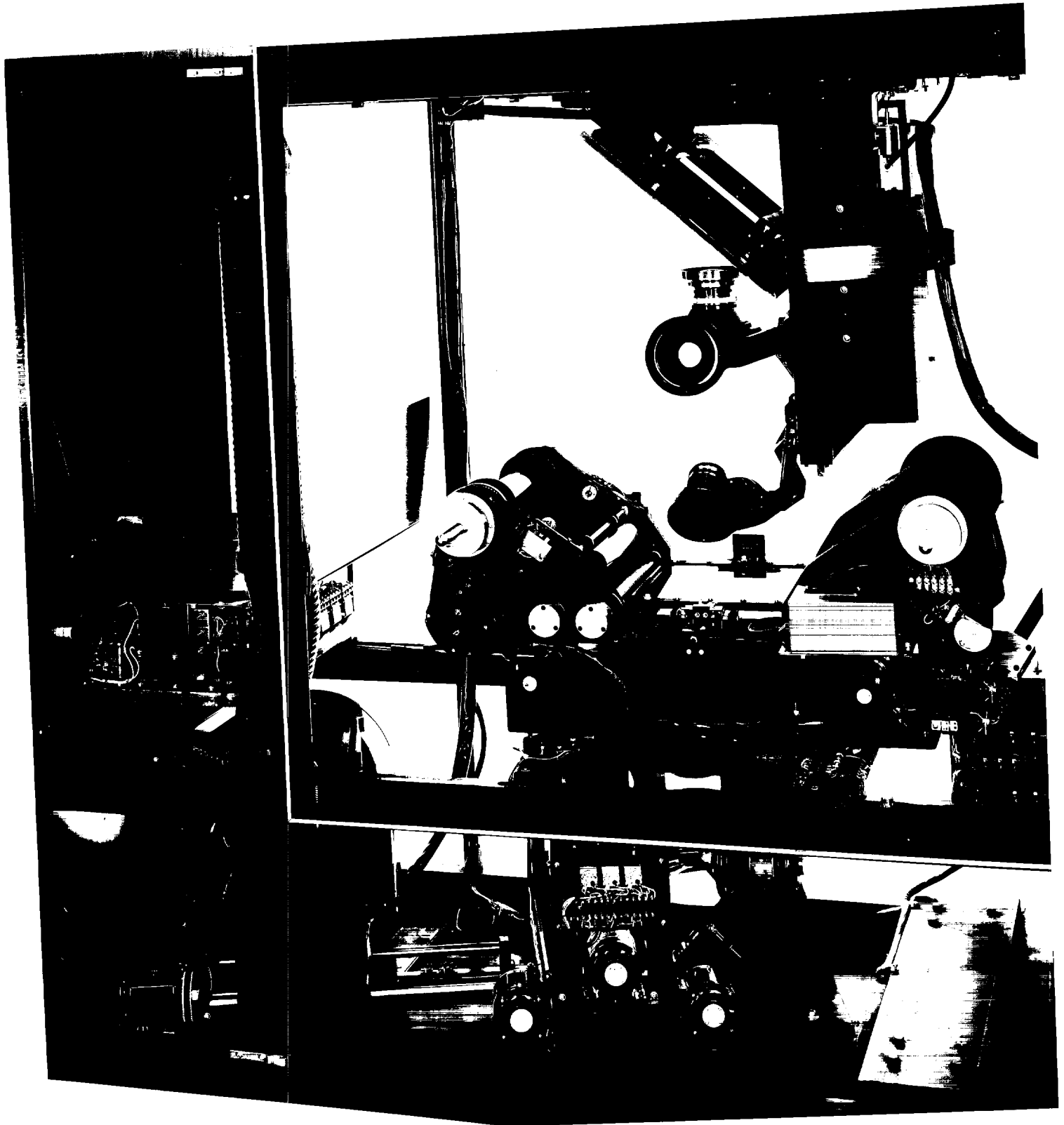
Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2



STATOTHR

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

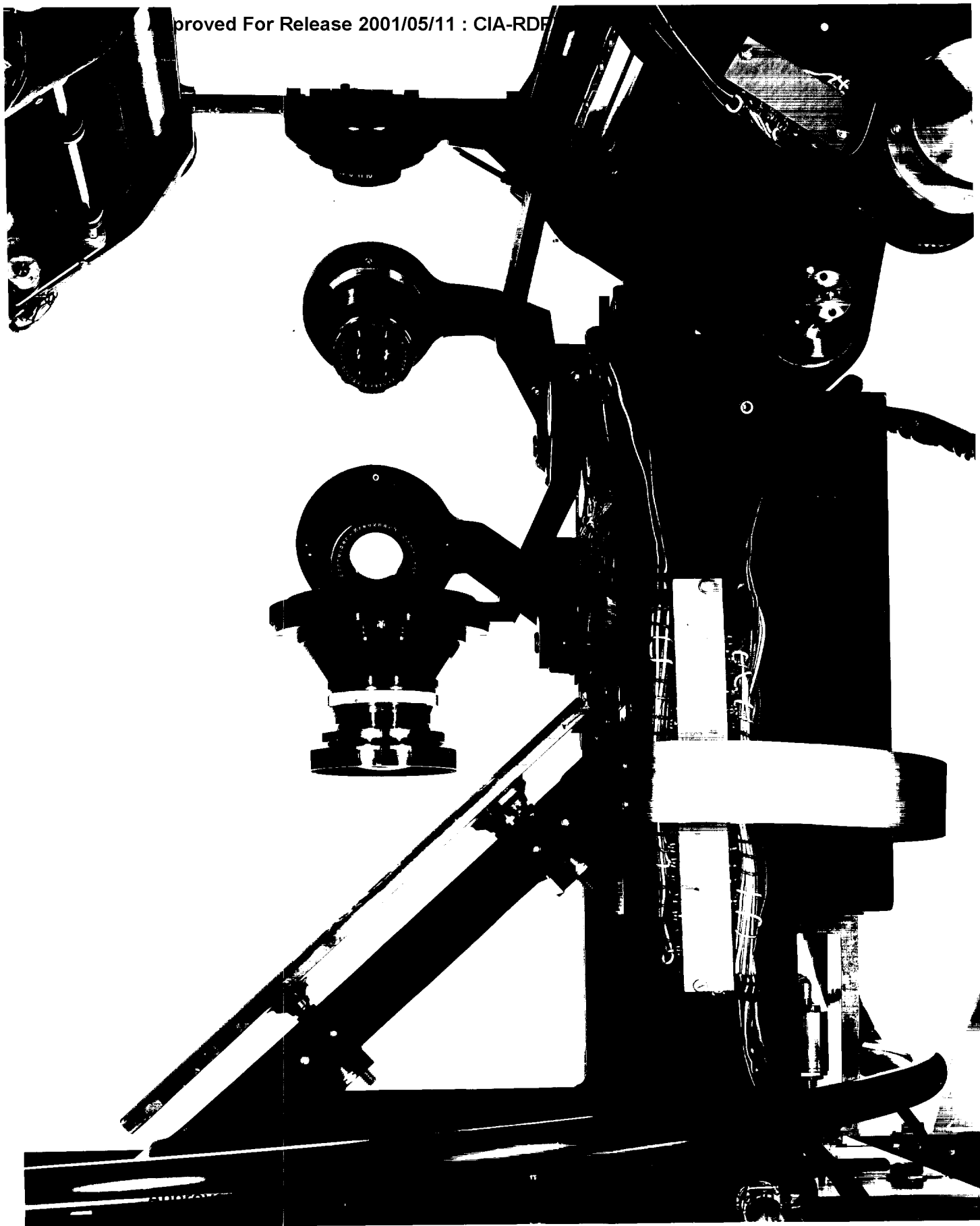
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Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

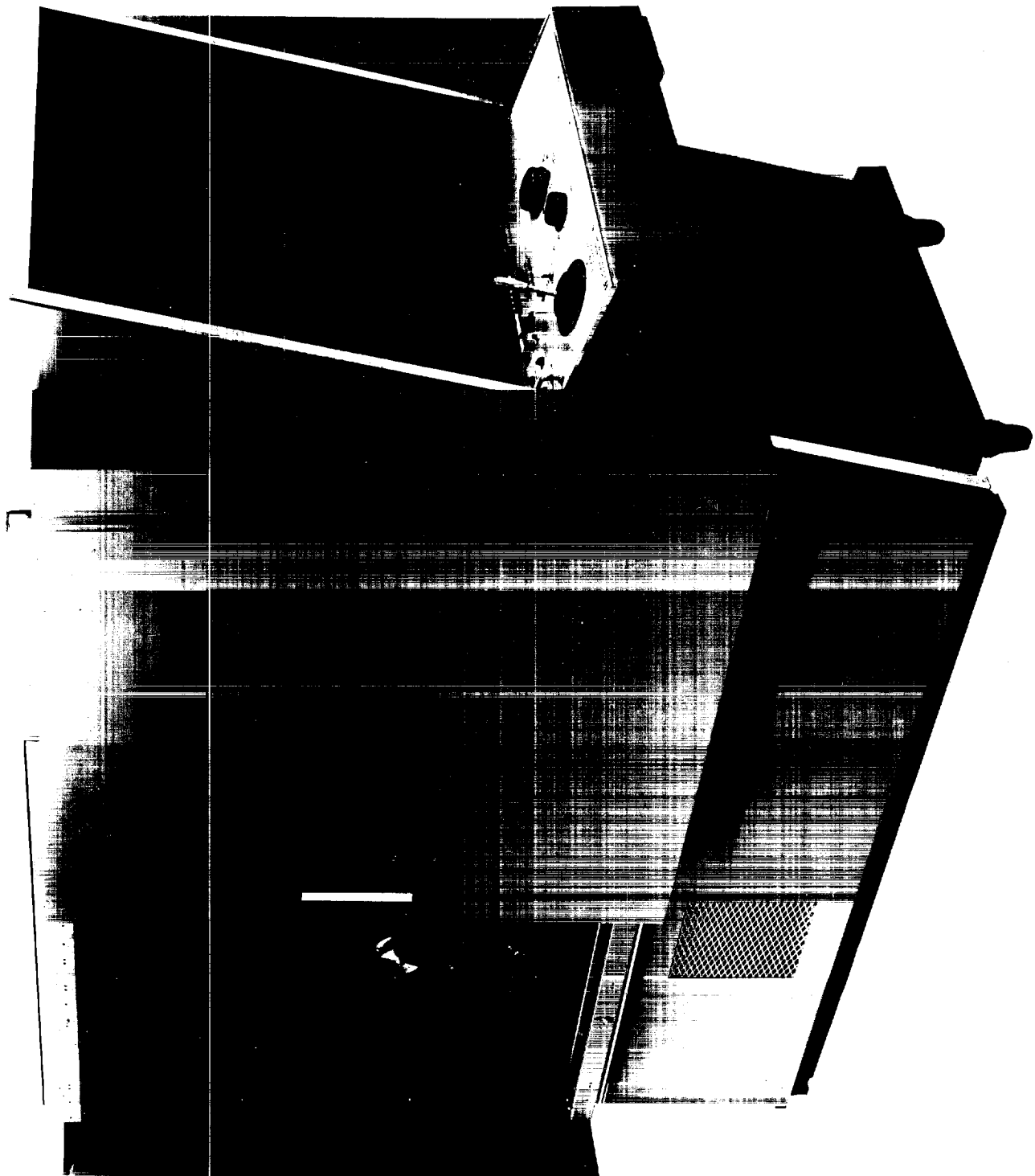
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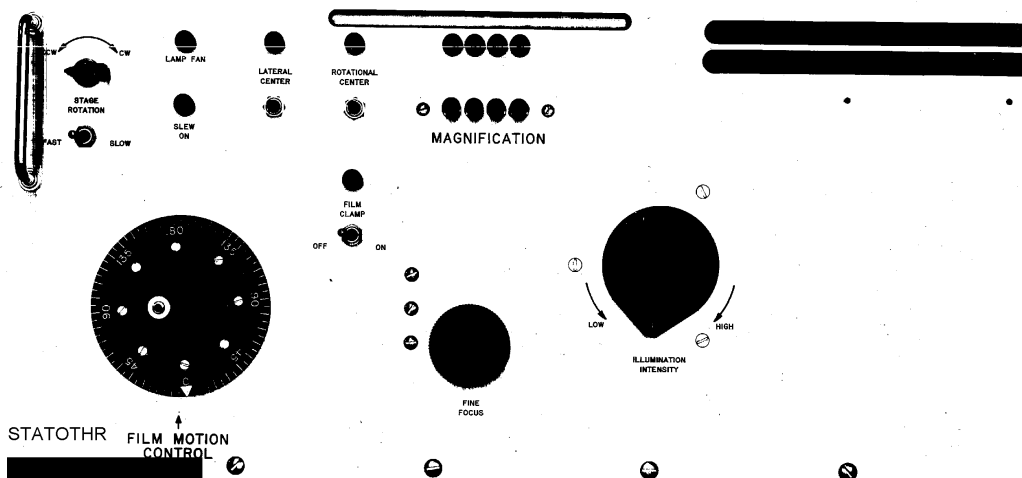


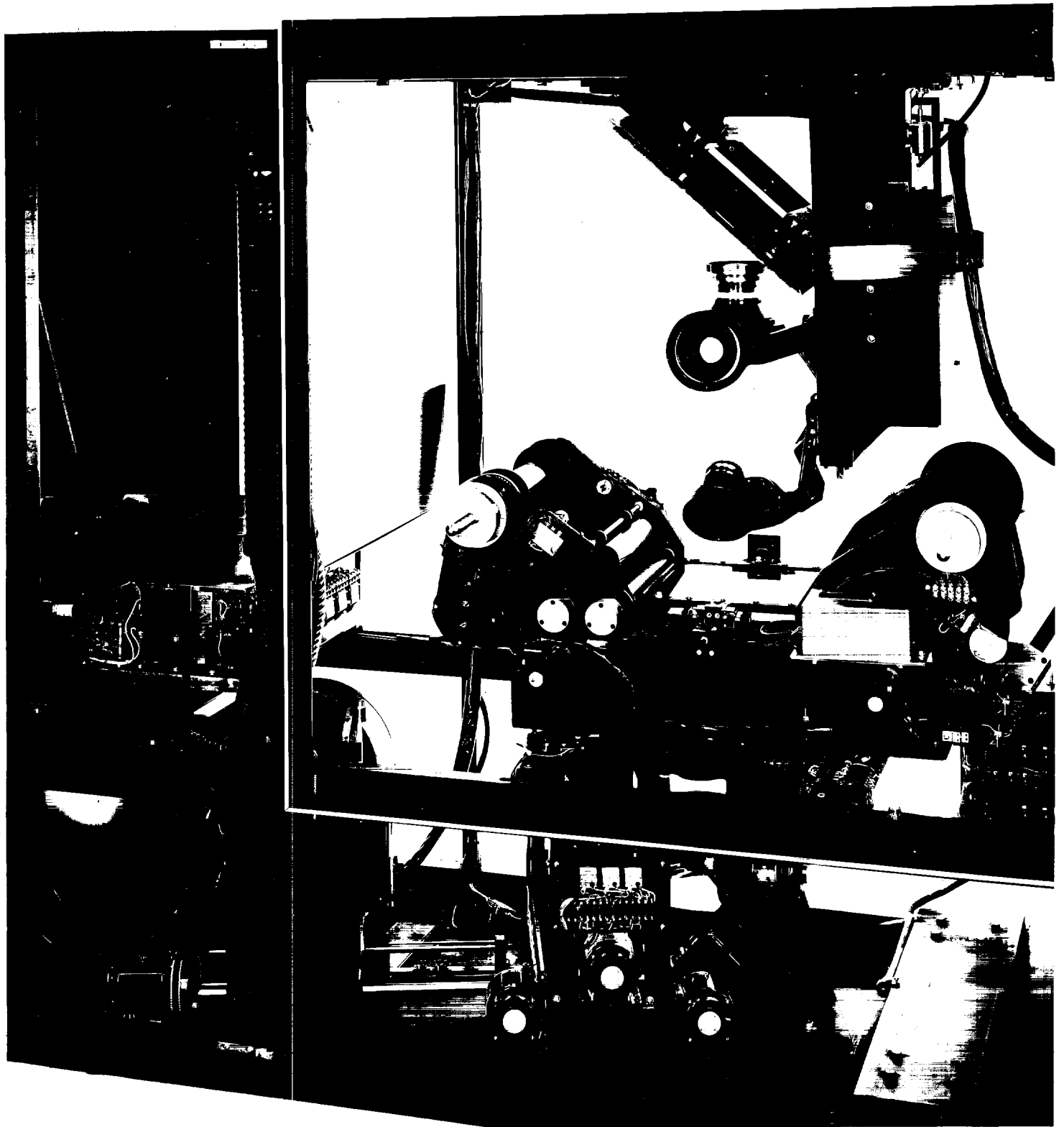
STATOTHR

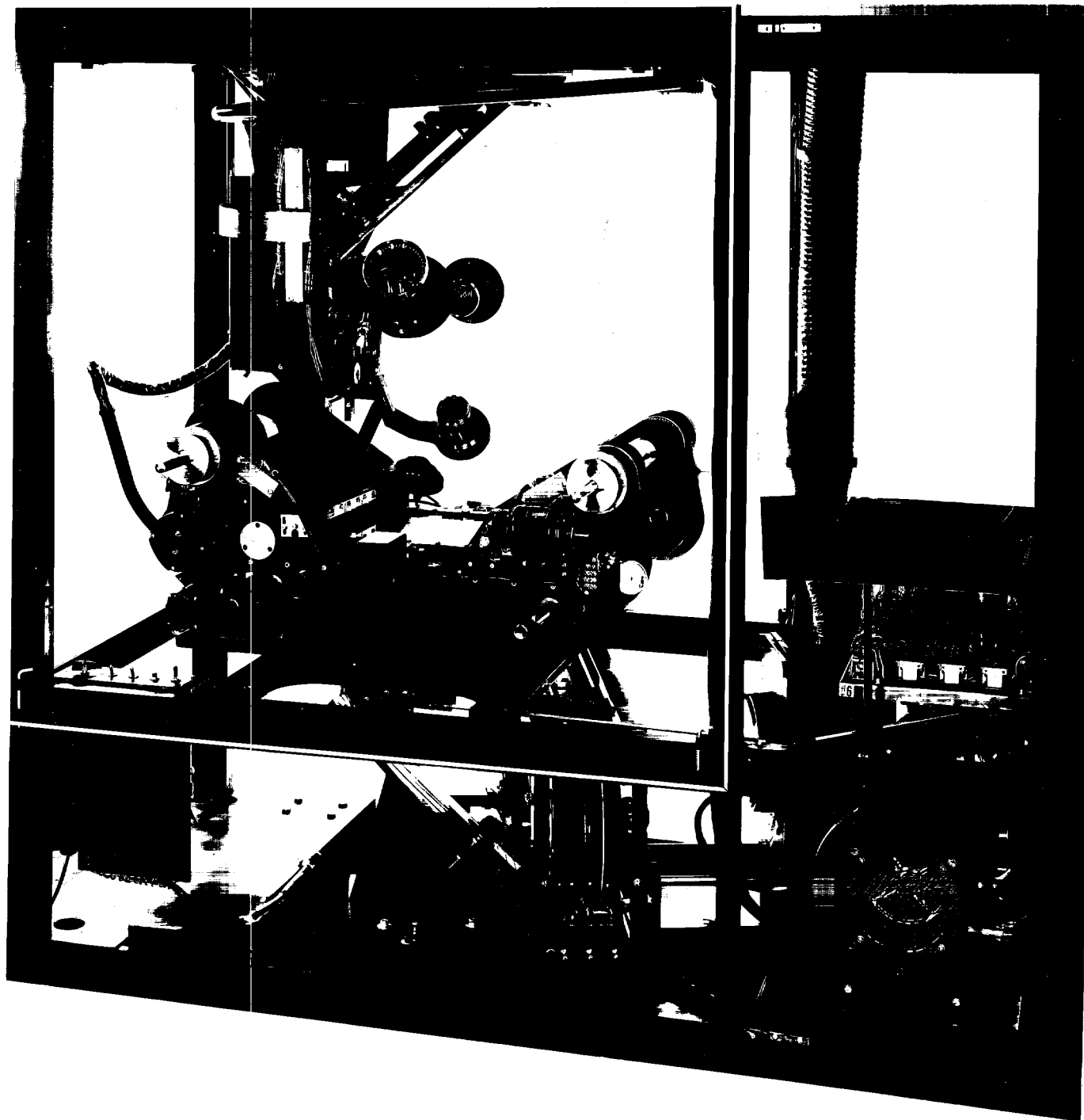
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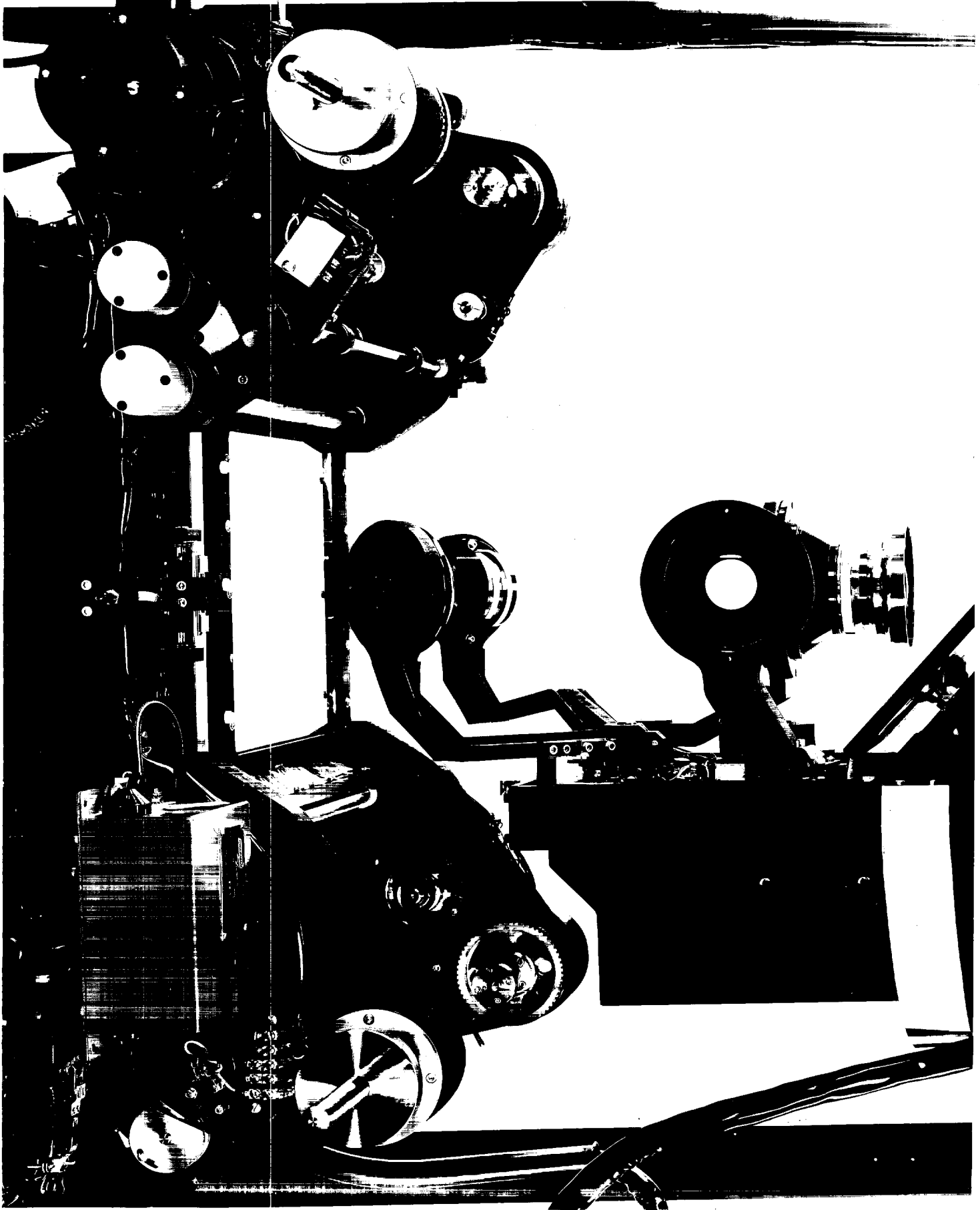
Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

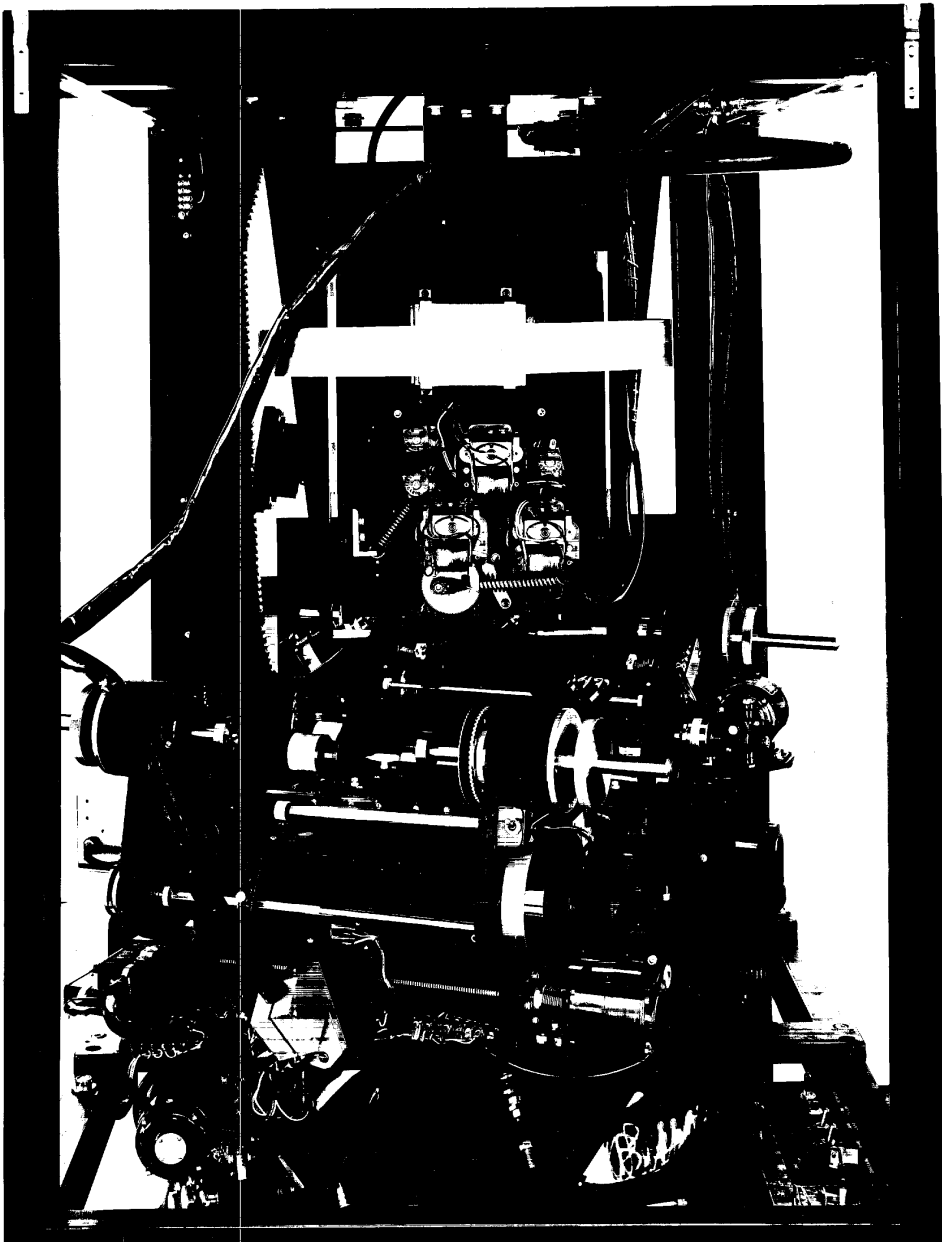


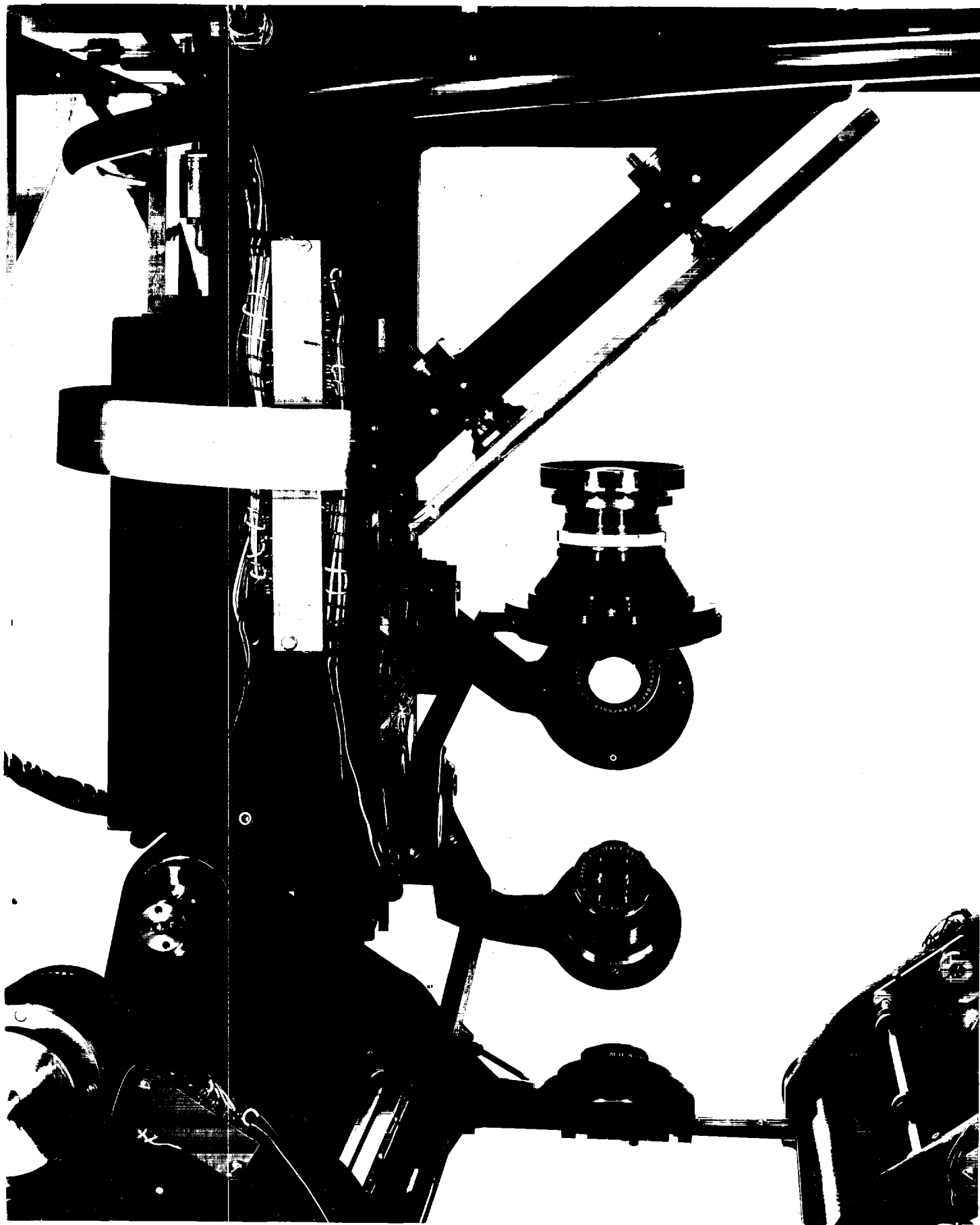


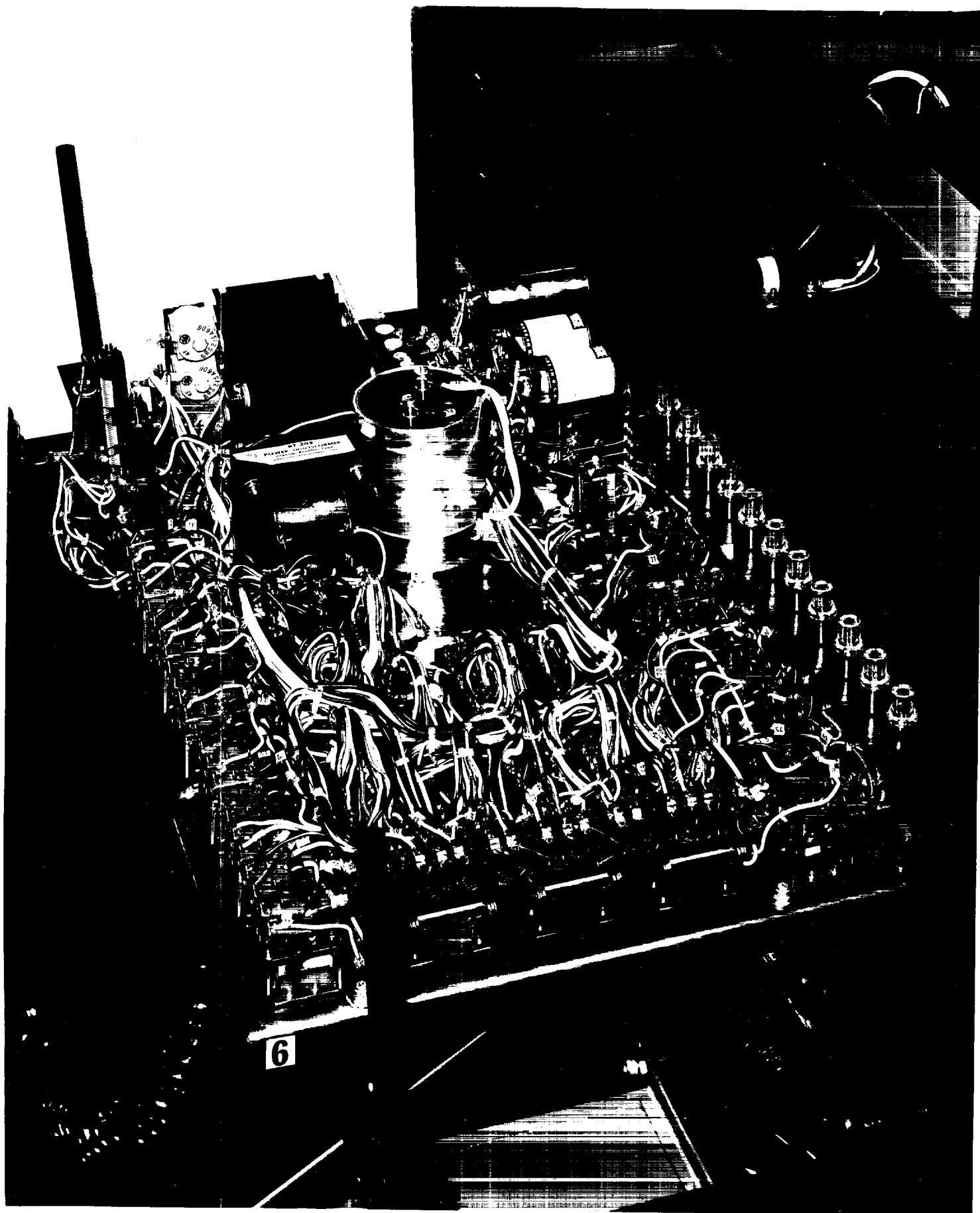












STATOTHR

[REDACTED]
VARISCAN - MARK II

CONFIDENTIAL

23 October 1964

MEMORANDUM FOR: Director, NPIC

SUBJECT: Change of Scope on Variscan Mark II

REFERENCE: Chief, Administrative Staff, O/DBI, Memorandum dated 4 February 1964: Approval of Research and Development Activities.

In accordance with the authority delegated by paragraph 3 of the reference, approval is requested for inclusion of a variable speed, film-traversing option on the Variscan Mark II as outlined in Annex "A".

This action will increase the cost of contract [REDACTED]

25X1A

25X1A

[REDACTED] making a new total contract price of

25X1A

25X1A

25X1A

Assistant for Plans and Development, NPIC

APPROVED:

ARTHUR C. LUNDHAL
Director, NPIC

4 NOV 1964
Date

Attachment:
Annex A

Distribution:

Orig & 1 - LB/SS (1 - OL/PD after signature)

1 - O/D

2 - P&DS/DB

LB/SS/NPIC [REDACTED] jc:2623(22 October 1964)

25X1A

CONFIDENTIAL

GROUP 1
Excluded from automatic
downgrading and
declassification

CONFIDENTIAL

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

14 September 1964

MEMORANDUM FOR: Assistant for Plans and Development
THROUGH : Executive Secretary, Technical Development Committee
SUBJECT : Change of Scope of "Variscan Rear Projection Film
Viewer" contract [REDACTED] 25X1A

25X1A

1. The NPIC has contracted with [REDACTED] for a Variscan Rear Projection Film Viewer for evaluation purposes. Since the contract was negotiated, [REDACTED] has offered a variable speed film traversing (across the width of the film) option at an increased cost of [REDACTED] if installed prior to delivery.

25X1A

2. The fixed traversing speed of the Richardson Viewers has always been considered an equipment limitation by the operating personnel. On the Variscan the problem will be even more pronounced with a fixed speed than the Richardson Viewers since the Variscan has a greater magnification range.

3. The Photo Analysis Group was consulted as to the desirability of having variable traversing speed and officially requested that it be incorporated in the equipment.

4. It is, therefore, recommended that Contract [REDACTED] with [REDACTED] for a Variscan Mark II be modified to include a variable speed on both axes of film movement at an increased cost of [REDACTED] bringing the total contract price up to [REDACTED]

25X1A

25X1A

25X1A

25X1A

[REDACTED]
Development Branch, P&DS

CONFIDENTIAL

GROUP 1
Excluded from automatic
downgrading and declassification

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

CONFIDENTIAL

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

14 September 1964

ANNEX
A

MEMORANDUM FOR: Assistant for Plans and Development

THROUGH : Executive Secretary, Technical Development Committee

SUBJECT : Change of Scope of "Variscan Rear Projection Film
Viewer" contract [REDACTED] 25X1A

25X1A

1. The NPIC has contracted with [REDACTED] for a Variscan Rear Projection Film Viewer for evaluation purposes. Since the contract was negotiated, [REDACTED] has offered a variable speed film traversing (across the width of the film) option at an increased cost of [REDACTED] if installed prior to delivery.

25X1A

25X1A

2. The fixed traversing speed of the Richardson Viewers has always been considered an equipment limitation by the operating personnel. On the Variscan the problem will be even more pronounced with a fixed speed than the Richardson Viewers since the Variscan has a greater magnification range.

3. The Photo Analysis Group was consulted as to the desirability of having variable traversing speed and officially requested that it be incorporated in the equipment.

25X1A

4. It is, therefore, recommended that Contract [REDACTED] with [REDACTED] for a Variscan Mark II be modified to include a variable speed on both axes of film movement at an increased cost of [REDACTED] bringing the total contract price up to [REDACTED]

25X1A

25X1A

25X1A

25X1A

[REDACTED]
Development Branch, P&DS

CONFIDENTIAL

GROUP 1
Excluded from automatic
downgrading and declassification

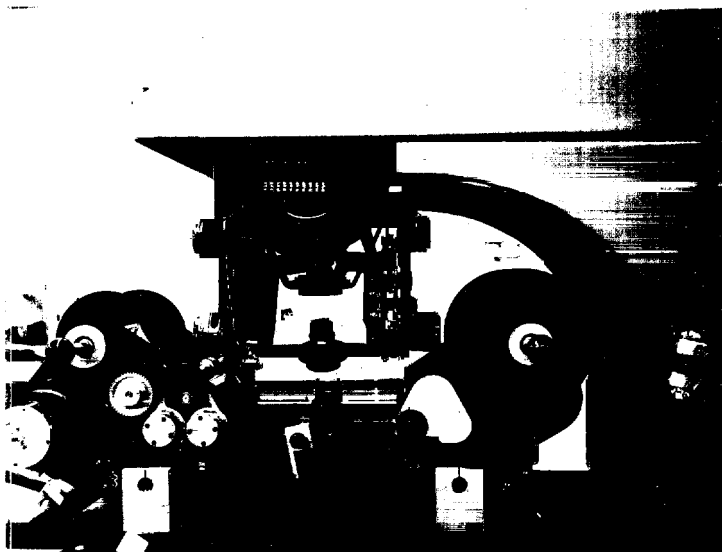
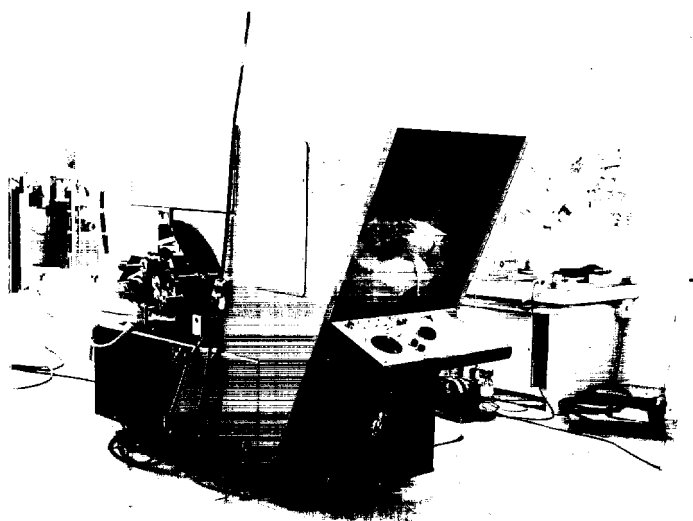
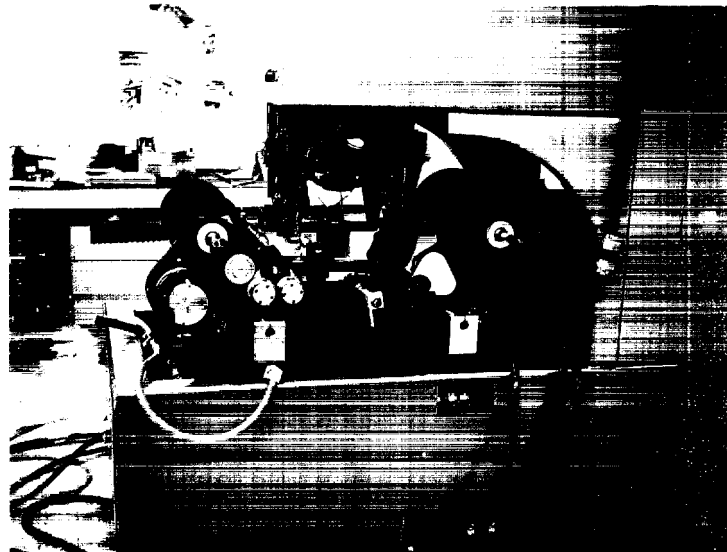
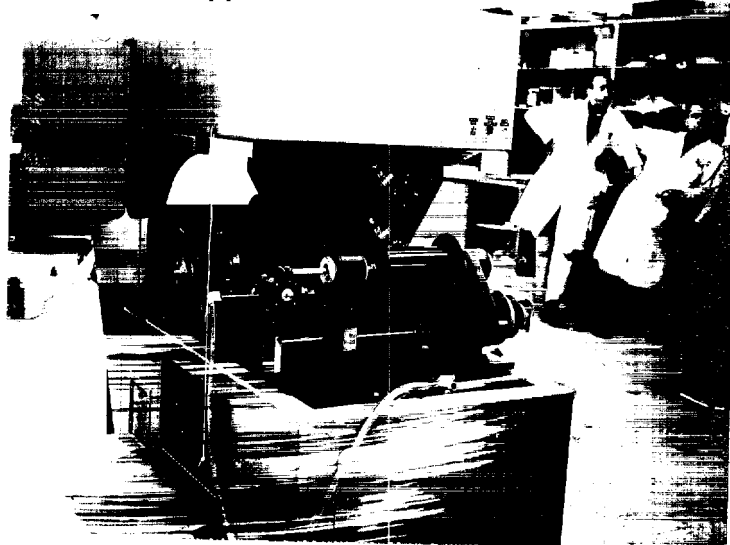
Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

STATOTHR

PICTURES OF  VARYSCAN FILM VIEWER

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2



CONFIDENTIAL

MEMORANDUM FOR: Director, NPIC

VIA : Executive Director, NPIC

25X1A

25X1A

SUBJECT : Procurement of a Varyscan Film Viewer - [REDACTED]

REFERENCE : Chief, Administrative Staff, O, DD/I, memorandum dated 4 February 1964: Approval of Research and Development Activities.

In accordance with the authority delegated by paragraph 3 of the reference, approval for procurement of a Varyscan Film Viewer [REDACTED], in the amount of [REDACTED] is requested.

25X1A

25X1A

25X1A

Assistant for Plans and Development, NPIC

CONCUR:

25X1A

Executive Director, NPIC

Date

APPROVED:

Arthur C. Lundahl
Director, NPIC

Date

Attachment:
Annex A

Distribution:

Orig. & 1 - AS/LB/NPIC w/a

2 - O/D

2 - P&DS/DB/NPIC w/a

GROUP 1
Excluded from automatic
downgrading and
declassification

CONFIDENTIAL

CONFIDENTIAL

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

27 April 1964

STAFF STUDY

PROCUREMENT OF A VARYSCAN FILM VIEWER

PROBLEM:

25X1A

25X1A

To obtain on a priority basis a Varyscan Film Viewer from [REDACTED] for operational test and evaluation.

FACTS:

25X1A

[REDACTED] has developed as an in-house effort a rear projection film viewer that will handle 35 mm through 9 $\frac{1}{2}$ " roll film in lengths of up to 1,000 feet with magnifications of 3X, 6X, 12X and 30X on a 30" by 30" screen. At 3X a 9 $\frac{1}{2}$ " by 9 $\frac{1}{2}$ " image area is projected on the screen.

DISCUSSION:

The Varyscan was developed in response to requirements by SAC and AMS for a rear projection viewer that could project the entire 9 $\frac{1}{2}$ " wide format at a minimum of 3 power as well as other magnifications with minimum damage to the film. Except for the 3X projection, the requirements given [REDACTED] were identical to the Richardson 707 specifications. The requested 200 foot lambret lighting requirement was not achieved in this instrument due to the considerably higher costs of going to more powerful light sources than the presently available tungsten lamps.

25X1A

25X1A

The prototype viewer was inspected at [REDACTED] by the undersigned prior to its being shipped to SAC for demonstration and evaluation. In general, the Varyscan has better film handling and optical qualities than the presently available Richardson Viewers and approximately 20% more screen illumination. The outstanding feature is of course the 3X magnification which has previously never been achieved in an instrument of this type.

25X1A

Presently [REDACTED] has a contract for six Varyscans for SAC and a potential of 35 more for SAC and 15 for AMS out of fiscal year 1964 funds. Both the SAC and AMS personnel that have evaluated the Varyscan have indicated that they prefer it over the Richardson 707 design.

CONCLUSION: 25X1A

The [REDACTED] Varyscan has better overall performance characteristics than the presently available Richardson Viewers and may be as good or better than the Richardson 707 V under development which will not have the 3X magnification. It would therefore be desirable to obtain one of the Varyscans for evaluation purposes.

CONFIDENTIAL

GROUP 1
Excluded from automatic
downgrading and declassification

Approved For Release 2001/05/11 : CIA-RDP78B04747A001200060001-2

CONFIDENTIAL

RECOMMENDATIONS:

25X1A

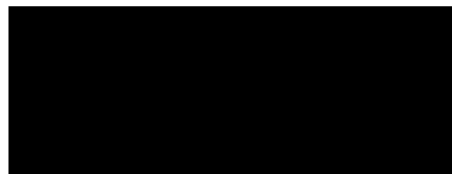
25X1A

25X1A It is recommended that the NPIC contract for one [REDACTED]
[REDACTED] Varyscan at a cost not to exceed [REDACTED]. Since production costs have
not been determined, it is felt that a fixed price redeterminable or incentive
contract should be negotiated and on an [REDACTED] Confidential Basis. It is further
recommended that the contract be negotiated with [REDACTED] on a priority basis before
any additional orders are consummated by SAC. This is felt necessary so that
we receive the viewer in time to evaluate it with the Richardson 707V prototype.

25X1A

25X1A

25X1A



CONFIDENTIAL

25X1A

Approved For

5/11 : CIA-RDP78B04747A001200060001-2

Russ

25X1A

X

4/29/64 5500-2767-64

4155-1030-6000

4155-1030-6000

NPIC

25X1A

1.

Varyscan Rear Projection Film 1
Viewer with variable speed film
movement on both axes complete
with one instruction maintenance
manual.

25X1A

CONFIDENTIAL

23 October 1964

MEMORANDUM FOR: Director, NPIC

SUBJECT: Change of Scope on Variscan Mark II

REFERENCE: Chief, Administrative Staff, O/DEI, Memorandum dated 4 February 1964: Approval of Research and Development Activities.

In accordance with the authority delegated by paragraph 3 of the reference, approval is requested for inclusion of a variable speed, film-traversing option on the Variscan Mark II as outlined in Annex "A".

This action will increase the cost of contract [REDACTED]

25X1A

25X1A

making a new total contract price of [REDACTED]

25X1A

25X1A

Assistant for Plans and Development, NPIC

APPROVED [REDACTED]

ARTHUR C. LUNDAHL
Director, NPIC

4 NOV 1964

Date

Attachment:
Annex A

Distribution:

Orig & 1 - LB/SS (1 - OL/PD after signature)

1 - O/D

2 - P&DS/DB

LB/SS/NPIC/[REDACTED] jc:2623(22 October 1964)

25X1A

CONFIDENTIAL

GROUP 1
Excluded from automatic
downgrading and
declassification

File

SECRET
(When Filled In)


TECHNICAL BACKGROUND PROCUREMENT INFORMATION

25X1A
I. Contractor 27 APR 1964B. Evaluation of previous performance: Satisfactory

25X1A

II. Brief description of this procurement: Varyscan film viewer

25X1A

Estimated total amt. A. Deliverable items: One Varyscan rear projection film viewer with
variable speed film movement on both axes and one instruction
maintenance manual.B. Is this procurement for other than a standard, "off the shelf" or slightly modified commercial item? No If "yes", is it anticipated that any more of this unit will be procured? Yes If so, a complete set of directly reproducible manufacturing drawings and specifications would normally be included in this procurement. Comments: _____C. Will contract cover a period of more than 90 days? Yes
If "yes", are progress reports desired? No If so, indicate frequency, content and number of copies desired: _____D. Is any Government-owned property to be provided to the contractor?
No If so, list and indicate its availability (where, when, etc.) _____SECRET
(When Filled In)

SECRET
(When Filled In)

27 APR 1964

E. Is any special tooling involved? No

F. Security:

1. Association with the Sponsor is Confidential

2. The specifications and/or drawings are Unclassified

3. The item is Unclassified

4. Contractor personnel known to be aware of this proposed procurement:

25X1A [REDACTED]

5. Other security information

III. Reasons for selection of this source. If other sources were considered, indicate results. If no other sources were considered, list the reasons why this firm is considered to be uniquely qualified to perform this work.

25X1A

[REDACTED] has developed the Varyscan viewer in response to film viewing requirements and in competition with the Richardson Viewers. The prototype viewer has been inspected and is considered to be of sufficient quality and versatility to purchase one for evaluation purposes as compared with the Richardson Viewer.

25X1A

IV. Technical contact

Name

3300

Telephone

In the event additional space is required, use the reverse side(s) of this form, with a reference to the item number to which the comment applies.

SECRET
(When Filled In)

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION

TELEGRAM

W. P. MARSHALL, PRESIDENT

SYMBOLS

DL = Day Letter

NL = Night Letter

LT = International Letter Telegram

SF-1201 (4-60)

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of destination

LLF231 0A193

0 JDC053 PD TDJD

STATOTHR

23 151P PST

STATOTHR

STATOTHR

PRICE 1 VARISCAN BASIC MACHINE INCLUDING PRESSURISATION
FOB PACKING AND CRATING SHIPPING SPARES EXTRA MANUAL
INCLUDED ESTIMATED COST FOR PACKING AND SHIPPING APPROXIMATELY
\$200.00

STATOTHR

(58).

Shelf -
Item -

Richardson - Richardson Ft Candles
(Note: *optics were not aligned at time of test*)

3X 31
6X 27.5 22
2X 15 13
30X 11 13

STATOTHR

3X 32
6X 29 25
12X 16 14
30X 13 14

3X 56
6X 44 55
12X 29 20
30X 25 11

3X 45
6X 37 31
12X 23 14
30X 12 12

3 - 64
6 - 50
12 - 33
30

3X 46
6X 37 35
12X 23 16
30X 15 13

4/20/77

Vanessa M. V. V.

STATOTHR

10.6 (30x)	18 (12x)	13 (30x)
15 (12x)	32 (6x)	16 (12x)
27½ (6x)	35 (3x)	29 (6x)
31 (3x)		32 (3x)

fl 2

56 (3x)
44 (6x)
29 (12x)
25 (30x)

45 (3x)
37 (6x)
23 (12x)
12 (30x)

64 (3x)
50 (6x)
33 (12x)

46 (3x)
37 (6x)
23 (12x)
15 (30x)

4.3.1 Examination of Product - Each sample viewer shall be given a thorough visual and mechanical examination to determine that the quality of all materials and workmanship are in compliance with the requirements of this specification.

4.3.2 Functional Tests - Optical & Projection System - The following tests shall be performed under the operational conditions specified by 4.2.1.

4.3.2.1 Magnification Test - Place a calibrated grid of approximately 6.25 grids in the film gate and apply vacuum clamping. Make 16 random measurements of the projected grid, 4 in each quadrant, 50% of which should be in X and 50% in Y directions; list measurements in the space provided below. Compare findings with the inscribed magnifications to determine conformance with paragraph 4.4.1.1. Compare findings to insure that no ~~geometric~~ ^{such as Keystoning} distortions are apparent ~~throughout~~ over the entire projection screen.

a. Calibrated grid of _____ spacing

b. 3X magnification:

c. 6X magnification:

d. 12X magnification:

Perfect

e. 30X magnification:

29.4

4.3.2.2 Resolution Test - Place a Standard High Contrast Air Force Resolution Target in the film gate and apply vacuum clamping. Make 17 random readings of the minimum readable targets discernable at each magnification setting, 4 in each quadrant and one at screen center, and record findings below. The resolutions should conform to those specified in 3.4.1.2.

a. Resolved target at screen center:

3X 36 6X 57 + 12X 71 + 30X 180 +

b. Random resolution readings:

3X:

6X:

12X:

30X:

4.4.2.3 Light Level Test - Make 9 reading of the Light intensity with the projection lamp at full brilliance and with an open film gate, in each magnification ranges; record findings below. Measurement shall be taken with a calibrated photometer, Weston ^{Model 756} ~~type A~~ or equal, cell in contact with screen on operator's side, facing light source.

2	3	4
8	7	6

	Center	Point 1	2	3	4	5	6	7	8
3X	55	38	32	36	32	35	38	53	39
6X	36	28	22	26	24	30	32	46	32
12X	25	18	9	11	10	21	16	25	15
30X	22	12	9	13	10	14	9	10	8

Analyze findings for conformance with paragraph 3.4.1.5; does/does not conform.

4.4.2.4 Color Fringing Test - While viewing the screen on axis with an open gate, and with materials in the gate, check for the presence of color fringing at all magnifications. Several personnel should investigate under this test and findings noted below. Consensus; color fringing is/is not apparent on the screen. *Color fring apparent at 12x*

4.4.3 Functional Tests, Film Transport - The following tests shall be performed under the operational conditions specified by ~~4.2.1~~ ^{4.2.1.}

4.4.3.1 Film Degradation - Load the transport with a roll of film that is free from scratches and degradation; i.e., straight from the photo lab and in new condition. Scan and Slew in all directions with sudden stops and changes in direction, and with several starts from vacuum clamped. Check the film for evidence of film degradation - the film is/is not

appreciably degraded. Make statement as to seriousness of degradation, if any, below. *None of the known ^{major} film degrading*

actions occur - i.e. film does not move against any stationary objects - doesn't slip on capstan
Feel the transport is ^{far} better than any

4.4.3.2 Scanning Mode Film Drive - Scan several feet of film at 30X at the slowest possible speed. Time the movement of a known length and record the inches per second below. Repeat the above for the fastest scan speed and record the speed below. While in the slow Scan speed, check for perceptible jerking or sporadic movement. There is/ is not appreciable jerking or sporadic movement at slowest scan speed.

Slowest Scan speed, _____ inches/sec

Fastest Scan speed, _____ inches/sec

} most adequate

4.4.4 General Operation - While performing the above functional tests, all controls and operations should be thoroughly exercised. Sudden and violent changes should be made in various controls and attempts should be made to place controls in every conceivable combination to check safety interlocks in the equipment. Make statements in paragraphs below as to proper operation of controls specified:

a. Film Loading, ease of

b. Lateral Drive - (3.4.2.5) GOOD - quiet and positive - drives from center to one extreme in 15 sec - production models will do it in 10 sec, necessitates different pitch on lead screw -

c. Lateral Center, Auto Home - (3.4.3.2) GOOD

d. Rotational Drive - (3.4.2.6) GOOD - gunt and position - Home position not as desired, can be set anywhere

e. Rotational Center, Auto Home - (3.4.3.4) GOOD - Home position not as desired but can and will be set anywhere -

f. Scan/Slew Mode Selection - (3.4.2.7) Good - runs well with good control in both modes

g. Film Motion Control - (3.4.3.1) Good runs well in both modes - Made several fast reverse from slew to scan.
Torque motors

h. Magnification Selector - (3.4.3.6)

j. Illumination Intensity - (3.4.3.5)

k. Fine Focus - (3.4.3.7) In-operative at the time of test

~~19-00000-100000~~

4.4.1 General - Personnel conducting tests should note below any comments regarding opinions on workmanship, machine suitability to the

mission, machine weaknesses, machine strengths, etc. Problems encountered in vacuum clamping with thin base film - changes in sequencing necessary to release tension on film so vacuum will pull film flat.

Swage shakes with slight tap of front of cabinet.
Lens turret can be dampened.

Test Performed by: _____
name rank title